

TABLE 4

Federal budget authority for basic research, by budget function: FYs 2020–22

(Millions of dollars and percent change)

| Budget function | 2020 actual ^a | 2021 preliminary ^a | 2022 proposed | 2020–21 (% change) | 2021–22 (% change) |
|--|--------------------------|-------------------------------|---------------|--------------------|--------------------|
| All functions conducting R&D | 44,331 | 42,520 | 47,399 | -4.1 | 11.5 |
| National defense | 2,686 | 2,819 | 2,483 | 5.0 | -11.9 |
| Health | 21,826 | 21,872 | 24,022 | 0.2 | 9.8 |
| Space flight, research, and supporting activities | 6,655 | 4,515 | 5,620 | -32.2 | 24.5 |
| General science and basic research | 10,782 | 10,835 | 12,298 | 0.5 | 13.5 |
| Energy | 51 | 16 | 17 | -67.6 | 1.7 |
| Natural resources and environment | 117 | 118 | 209 | 1.2 | 76.2 |
| Agriculture | 1,028 | 1,092 | 1,380 | 6.2 | 26.4 |
| Transportation | 16 | 16 | 16 | 0.0 | 0.0 |
| Veterans benefits and services | 523 | 555 | 584 | 6.1 | 5.2 |
| Commerce and housing credit | 241 | 250 | 320 | 3.7 | 28.0 |
| Education, training, employment, and social services | 348 | 366 | 368 | 5.2 | 0.5 |
| Administration of justice | 57 | 63 | 80 | 10.5 | 27.0 |
| International affairs | 0 | 0 | 0 | - | - |
| Income security | 0 | 0 | 0 | - | - |
| Community and regional development | 2 | 2 | 3 | 0.0 | 50.0 |
| Medicare | 0 | 0 | 0 | - | - |

^a Agencies in several functions received emergency COVID-19 funding for R&D including basic research in FY 2020 and FY 2021. This funding may be included in the data in this table, although this is not clear in all cases.

Note(s):

Detail may not add to total because of rounding. Percent change is calculated on unrounded data. Budget functions in this table are ordered as the stub entries for R&D and R&D plant in table 1.

Source(s):

Agencies' submissions to the Office of Management and Budget per MAX Schedule C, agencies' budget justification documents, and supplemental data obtained from agencies' budget offices.